

APR 29 2002

PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number 09/225,502
Filing Date January 6, 1999
First Named Inventor Steven M. Ruben
Examiner Name A. Decloux
Group Art Unit 1644
Attorney Docket No. PF392

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None
☐ Deposit Account

Deposit Account Number 08-3425

Deposit Account Name Human Genome Sciences, Inc.

The Commissioner is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		101	740	201	370	Utility filing fee	
		106	330	206	165	Design filing fee	
		107	510	207	255	Plant filing fee	
		108	740	208	370	Reissue filing fee	
		114	160	214	80	Provisional filing fee	
SUBTOTAL (1)						(\$)	0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
82	-82** =		0.00
Independent Claims	6	-6** =	0.00
Multiple Dependent			

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		103	18	203	9	Claims in excess of 20	
		102	84	202	42	Independent claims in excess of 3	
		104	280	204	140	Multiple dependent claim, if not paid	
		109	84	209	42	** Reissue independent claims over original patent	
		110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
		105	130	205	65	Surcharge - late filing fee or oath	
		127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
		139	130	139	130	Non-English specification	
		147	2,520	147	2,520	For filing a request for ex parte reexamination	
		112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
		115	110	215	55	Extension for reply within first month	
		116	400	216	200	Extension for reply within second month	
		117	920	217	460	Extension for reply within third month	
		118	1,440	218	720	Extension for reply within fourth month	
		128	1,960	228	980	Extension for reply within fifth month	
		119	320	219	160	Notice of Appeal	
		120	320	220	160	Filing a brief in support of an appeal	
		121	280	221	140	Request for oral hearing	
		138	1,510	138	1,510	Petition to institute a public use proceeding	
		140	110	240	55	Petition to revive - unavoidable	
		141	1,280	241	640	Petition to revive - unintentional	
		142	1,280	242	640	Utility issue fee (or reissue)	
		143	460	243	230	Design issue fee	
		144	620	244	310	Plant issue fee	
		122	130	122	130	Petitions to the Commissioner	
		123	50	123	50	Processing fee under 37 CFR 1.17(q)	
		126	180	126	180	Submission of Information Disclosure Stmt	
		581	40	581	40	Recording each patent assignment per property (times number of properties)	
		146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
		149	740	249	370	For each additional invention to be examined (37CFR 1.129(b))	
		179	740	279	370	Request for Continued Examination (RCE)	
		169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

Name (Print/Type) Janet M. Martineau

Signature

Registration No. (Attorney/Agent)

46,903

Complete (if applicable)

Telephone (301) 315-2723

Date

April 29, 2002



Docket No.: PF392-US
(PATENT)

29/C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Ruben et al.

Application No.: 09/225,502

Group Art Unit: 1644

Filed: January 6, 1999

Examiner: A. Decloux

For: Human FK506 Binding Proteins

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RESPONSE UNDER 37 C.F.R. § 1.111 TO PAPER NO. 28

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action mailed January 30, 2002, please consider the remarks below. Applicants submit concurrently herewith: (a) a Fee Transmittal, with appropriate fee(s); (b) Exhibits A, B, and C; and (c) a Version With Markings To Show Changes Made.

Please amend the application as follows.

In the Specification:

Replace the first paragraph on page 7 (beginning at line 3) with the following paragraph:

C 1
SEQ ID NO:7 shows the nucleic acid sequence of a cDNA which is a splice variant of the gene described as SEQ ID NO:5. The translation product of this gene (SEQ ID NO:8) also shows very strong homology to FK506 Binding Protein 65 ("FKBP65"). See Coss M.C. et al., J. Bio. Chem., (1995) 270:29336.

Replace the last paragraph on page 7 (beginning at line 25) with the following paragraph:

C 8
A full-length cDNA clone, and corresponding protein, may be produced by those of ordinary skill in the art by aligning SEQ ID NO:5 and SEQ ID NO:7. Since these clones are nearly identical until they diverge at the 3' end, the 5' portion of SEQ ID NO:7 may be supplied by using the coding region from SEQ ID NO:5.

Please replace Table 1 on page 8 with the following Table: